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CLAIMS:

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- 1. A method of speech recognition of symbol sequences in which initially a spoken and recognized first symbol sequence is output by means of a speech output device for verification by a user and in case of a faulty recognition of the first symbol sequence a spoken second symbol sequence is recognized and compared with the first symbol sequence, the sub-symbol sequence of the first symbol sequence being determined partly corresponding to the second symbol sequence and having the lowest number and/or a predefined number of deviations from the second symbol sequence, and, finally, the first symbol sequence is corrected at the position of the sub-symbol sequence with the aid of the second symbol sequence, characterized in that determining the correcting sub-symbol sequence comprises a comparison of the second symbol sequence with such sub-symbol sequences of the first symbol sequence that are a number of symbols longer or shorter than the second symbol sequence.
- 2. A method as claimed in claim 1, characterized in that initially a search is made for a sub-symbol sequence that has the same length as the second symbol sequence, after that for at least a sub-symbol sequence that is longer than the second symbol sequence and, finally, for at least a sub-symbol sequence that is shorter than the second symbol sequence.
- 3. A method as claimed in claim 1 or 2, characterized in that when the sub-symbol sequence of the first symbol sequence is determined first sub-symbol sequences are searched for that have a deviation from the second symbol sequence at exactly one symbol position and, finally, sub-symbol sequences that have a deviation from the second symbol sequence at exactly two symbol positions while a deviation may be another, a lacking or an additional symbol.
- 4. A method as claimed in any one of the claims 1 to 3, characterized in that when the sub-symbol sequence of the first symbol sequence is determined, a search is to be made for the following types of deviations of sub-symbol sequences:

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sub-symbol sequences which have the same length as the second symbol sequence and
have a different symbol than the second symbol sequence at a certain number of symbol
positions,

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- sub-symbol sequences which have an additional symbol at a certain number of symbol
 positions compared with the second symbol sequence and which otherwise match the
 second symbol sequence or have a different symbol than the second symbol sequence at a
 certain number of symbol positions,
- sub-symbol sequences in which a symbol is lacking at a certain number of symbol
 positions compared to the second symbol sequence and which otherwise match the
 second symbol sequence or have a different symbol than the second symbol sequence at a
 certain number of symbol positions.
- 5. A method as claimed in claim 4, characterized in that for a certain type of deviation a search is made for exactly one sub-symbol sequence of the first symbol sequence and always the second symbol sequence is compared with various sub-symbol sequences of the first symbol sequence which have each a length matching the second symbol sequence and type of deviation, where the respective comparison is started with the sub-symbol sequence that forms the end of the first symbol sequence and then, step by step the sub-symbol sequence to be compared is shifted one symbol position forwards in the first symbol sequence until a sub-symbol sequence of the desired type of deviation is found or until, finally, the second symbol sequence is compared with the sub-symbol sequence that forms the beginning of the first symbol sequence.
- 6. A method as claimed in one of the claims 1 to 5, characterized in that when the second symbol sequence is compared with a longer sub-symbol sequence of the first symbol sequence, a symbol at respectively changing symbol positions of the sub-symbol sequence is ignored during comparison and the respective remaining sub-symbol sequence is compared with the second symbol sequence and when the second symbol sequence is compared with a shorter sub-symbol sequence of the first symbol sequence a symbol located at respective changing symbol positions of the second symbol sequence is ignored during comparison and the respective remainder sequence of the second symbol sequence is compared with the sub-symbol sequence.

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7. A method of speech recognition of symbol sequences, in which initially a spoken and recognized first symbol sequence is output for verification by a user by means of a speech output device (5, 6, 7) and when the first symbol sequence is recognized erroneously, a spoken second symbol sequence is compared with the first symbol sequence, a sub-symbol sequence of the first symbol sequence being determined that partly matches the second symbol sequence and has the lowest number and/or a predefined number of deviations from the second symbol sequence, and, finally, the first symbol sequence in the section of the sub-symbol sequence is corrected on the basis of the second symbol sequence, characterized in that a plurality of alternatives of corrected versions of the first symbol

8. A method as claimed in claim 7, characterized in that a maximum of a predefined number of alternative corrected versions of the first symbol sequence is determined and output.

limit value defined as an abort criterion is reached.

sequence is determined and output to the user for verification purposes until a positive

acknowledgement of an output corrected version of an abort command is received or until a

- 9. A method as claimed in claim 7, characterized in that at most all corrected versions of the first symbol sequence in which the number of deviations from the initially recognized first symbol sequence is situated below a maximum value, are determined and output.
- 10. A method as claimed in one of the claims 7 to 9, characterized in that the correcting sub-symbol sequence of the first symbol sequence is determined according to a method as claimed in any one of the claims 1 to 6.
- 11. A system for speech recognition of symbol sequences
- comprising a speech recognition device (3) for recognizing spoken symbol sequences and commands,
- comprising a speech output device (5, 6, 7) for outputting a spoken and recognized first symbol sequence to be verified by a user,
- comprising a comparator device (8) for comparing a spoken and recognized second symbol sequence with the first symbol sequence when the first symbol sequence is recognized erroneously and then determining a sub-symbol sequence of the first symbol

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- sequence which partly corresponds with the second symbol sequence and then has the lowest and/or a predefined number of deviations from the second symbol sequence,
- and comprising a correction device (9) for correcting the first symbol sequence in the range of the sub-symbol sequence on the basis of the second symbol sequence, characterized in that the comparator device (8) comprises means for making a comparison of the second symbol sequence with such sub-symbol sequences of the first symbol sequence that are a number of symbols longer or shorter than the second symbol sequence.
- 12. A system for speech recognition of symbol sequences,
- comprising a speech recognition device (3) for recognizing spoken symbol sequences and commands,
- comprising a speech output device (5, 6, 7) for outputting a spoken and recognized first symbol sequence to be verified by a user,
- comprising a comparator device (8) for comparing a spoken and recognized second symbol sequence with the first symbol sequence when the first symbol sequence is recognized erroneously and then determining a sub-symbol sequence of the first symbol sequence which partly corresponds with the second symbol sequence and then has the lowest and/or a predefined number of deviations from the second symbol sequence,
- and comprising a correction device (9) for correcting the first symbol sequence in the range of the sub-symbol sequence on the basis of the second symbol sequence, characterized by means for determining a plurality of alternative corrected versions of the first symbol sequence and outputting them to the user for verification purposes, and an interrupt device which terminates the further determining and/or outputting of alternatives of corrected versions of the first symbol sequence when a positive acknowledgement is received of an output corrected version or of an abort command from the user or when a limit value defined as an abort criterion is reached.
- 13. A system as claimed in claim 12, characterized by a comparator device as claimed in claim 11.
- 14. A computer program comprising program code means for executing all steps of the method as claimed in any one of the claims 1 to 10 when the program is run on a computer.

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15. A computer program comprising program code means as claimed in claim 14 which are stored on a data carrier that can be read by computer.